

ABSTRACT

A plurality of measurement electronic device units (10, 20) each having a measurement detector connected thereto and thus having a measuring function are connected in series by connectors to be capable of mutually conveying measurement data and signals, and one (10) of the plural measurement electronic device units serves as a parent device having a function of transmitting/receiving measurement data and signals to/from an external device (5). Each of the control parts (21, 22) of the plural measurement electronic device units (10, 20) has a memory storing a measured value, and the parent device sends a measured value save command to a trigger line (44) in response to a request from the external device (5) to the parent device so that the measurement electronic device units including the own unit are caused to simultaneously save measured values in the control parts (21, 22).